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**From:** Walker, Russell [RWalker@nas.edu]  
**Sent:** 12/3/2021 5:52:05 PM  
**To:** Schwalbe, Michelle [MSchwalbe@nas.edu]  
**CC:** Rangel, Jorge [Rangel.Jorge@epa.gov]; Julius, Susan [Julius.Susan@epa.gov]; Dixon, Danielle [Dixon.Danielle@epa.gov]; Mazur, Sarah [Mazur.Sarah@epa.gov]; Bahadori, Tina [TBahadori@nas.edu]; Lozowski, Heather [HLozowski@nas.edu]; Anderson, Carl-Gustav [CGAnderson@nas.edu]; Spruth, David [DSpruth@nas.edu]  
**Subject:** RE: PR-ORD-21-01887  
**Attachments:** RE: C\_68HERC19D0011\_68HERC22F0083\_0\_RCI

Hi Michele, All: EPA TO award attached.

Russ

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**From:** Schwalbe, Michelle <MSchwalbe@nas.edu>  
**Sent:** Monday, November 22, 2021 10:14 AM  
**To:** Yates, William <Yates.William@epa.gov>  
**Cc:** Rangel, Jorge <Rangel.Jorge@epa.gov>; Julius, Susan <Julius.Susan@epa.gov>; Dixon, Danielle <Dixon.Danielle@epa.gov>; Mazur, Sarah <Mazur.Sarah@epa.gov>; Bahadori, Tina <TBahadori@nas.edu>; Lozowski, Heather <HLozowski@nas.edu>; Walker, Russell <RWalker@nas.edu>; Anderson, Carl-Gustav <CGAnderson@nas.edu>; Spruth, David <DSpruth@nas.edu>  
**Subject:** Re: PR-ORD-21-01887

Hi Mr. Yates,

I'm just checking in. Please let us know if we can help with anything.

Thanks,  
Michelle

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**From:** Yates, William <Yates.William@epa.gov>  
**Sent:** Friday, November 12, 2021 9:47 AM  
**To:** Schwalbe, Michelle  
**Cc:** Rangel, Jorge; Julius, Susan; Dixon, Danielle; Mazur, Sarah; Bahadori, Tina; Lozowski, Heather; Walker, Russell; Anderson, Carl-Gustav; Spruth, David  
**Subject:** RE: PR-ORD-21-01887

Thanks Michelle....

William M Yates  
Contracting Officer  
Office of Acquisition Solutions (OAS)  
Cincinnati Acquisition Division (CAD)  
CAD/ORD/POST  
513-487-2055  
Email: [yates.william@epa.gov](mailto:yates.william@epa.gov)

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**From:** Schwalbe, Michelle <MSchwalbe@nas.edu>  
**Sent:** Friday, November 12, 2021 9:45 AM  
**To:** Yates, William <Yates.William@epa.gov>  
**Cc:** Rangel, Jorge <Rangel.Jorge@epa.gov>; Julius, Susan <Julius.Susan@epa.gov>; Dixon, Danielle <Dixon.Danielle@epa.gov>; Mazur, Sarah <Mazur.Sarah@epa.gov>; Bahadori, Tina <TBahadori@nas.edu>; Lozowski, Heather <HLozowski@nas.edu>; Walker, Russell <RWalker@nas.edu>; Anderson, Carl-Gustav <CGAnderson@nas.edu>; Spruth, David <DSpruth@nas.edu>  
**Subject:** Re: PR-ORD-21-01887

Hi Mr. Yates,

Attached is the revised text that Carl sent along yesterday. If this looks OK, we can get you something more official as needed.

Feel free to make any TrackChanged edits or comments in the file if more info is needed.

Thanks,  
Michelle

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**From:** Yates, William <Yates.William@epa.gov>  
**Sent:** Friday, November 12, 2021 9:36 AM  
**To:** Anderson, Carl-Gustav; Schwalbe, Michelle; Spruth, David  
**Cc:** Rangel, Jorge; Julius, Susan; Dixon, Danielle; Mazur, Sarah; Bahadori, Tina; Lozowski, Heather; Walker, Russell  
**Subject:** RE: PR-ORD-21-01887

Good morning everyone,

To expedite things go ahead and update your documentation and send it to us. We can review it and see if this will answer the concerns for the program office. Thanks for the quick response.

William M Yates  
Contracting Officer  
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**From:** Anderson, Carl-Gustav <CGAnderson@nas.edu>  
**Sent:** Thursday, November 11, 2021 1:32 PM  
**To:** Schwalbe, Michelle <MSchwalbe@nas.edu>; Spruth, David <DSpruth@nas.edu>; Yates, William <Yates.William@epa.gov>  
**Cc:** Rangel, Jorge <Rangel.Jorge@epa.gov>; Julius, Susan <Julius.Susan@epa.gov>; Dixon, Danielle <Dixon.Danielle@epa.gov>; Mazur, Sarah <Mazur.Sarah@epa.gov>; Bahadori, Tina <TBahadori@nas.edu>; Lozowski, Heather <HLozowski@nas.edu>; Walker, Russell <RWalker@nas.edu>  
**Subject:** Re: PR-ORD-21-01887

Mr. Yates,

As Michelle noted, the points raised below are intended as part of this project. Please find attached an updated version of the project description, which explicitly includes these important topics in the work plan.

Michelle and I would be happy to discuss by e-mail or connect during any other times Michelle noted in her previous e-mail if that would be helpful.

Warm regards,  
Carl Anderson

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**From:** Schwalbe, Michelle  
**Sent:** Wednesday, November 10, 2021 10:04 PM  
**To:** Spruth, David; 'Yates, William'  
**Cc:** 'Rangel, Jorge'; 'Julius, Susan'; 'Dixon, Danielle'; 'Mazur, Sarah'; Bahadori, Tina; Lozowski, Heather; Walker, Russell; Anderson, Carl-Gustav  
**Subject:** Re: PR-ORD-21-01887

Hi Mr. Yates,

All the points you raised below are intended in this activity and can be easily added to the official documentation.

Perhaps we could update the documentation as you suggested and send it your way tomorrow? If a meeting would be helpful, Carl Anderson (copied) and I would be glad to chat on Friday between 9:30-10am, 11-11:30am, or 4:30-5pm ET.

Thanks,  
Michelle

Michelle K. Schwalbe, Ph.D.  
Director, Board on Mathematical Sciences and Analytics  
Director, Committee on Applied and Theoretical Statistics  
Acting Director, National Materials and Manufacturing Board  
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500 5th St NW  
Washington, D.C. 20001  
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**From:** Spruth, David  
**Sent:** Wednesday, November 10, 2021 12:07 PM  
**To:** 'Yates, William'  
**Cc:** 'Rangel, Jorge'; 'Julius, Susan'; 'Dixon, Danielle'; 'Mazur, Sarah'; Bahadori, Tina; Schwalbe, Michelle; Lozowski,

Heather; Walker, Russell  
**Subject:** RE: PR-ORD-21-01887

Mr. Yates,

Russell Walker just forwarded your email below to me. I will be the responsible Contracting Officer supporting Michelle Schwalbe (copied on this email).

I believe that the questions below are technical in nature and should be addressed Michelle directly. I will work with Michele to support your request for a meeting to discuss the points listed below.

I believe that Wednesday (today) may not be possible but I will differ to Michele as to her availability on Friday.

V/r

Dave  
David Spruth  
Contract Manager – Office of Contracts and Grants  
The National Academy of Sciences  
202.334.2049

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**From:** Yates, William <Yates.William@epa.gov>  
**Sent:** Tuesday, November 9, 2021 8:58 AM  
**To:** Walker, Russell <RWalker@nas.edu>  
**Cc:** Rangel, Jorge <Rangel.Jorge@epa.gov>; Julius, Susan <Julius.Susan@epa.gov>; Dixon, Danielle <Dixon.Danielle@epa.gov>; Mazur, Sarah <Mazur.Sarah@epa.gov>  
**Subject:** RE: PR-ORD-21-01887

Good morning Russell,

I would like to setup a TEAMS meeting so we can go over your proposal for the referenced PR. There were some comments/concerns that was brought up by the program office. With the holiday looming this week, I would like to setup some time on Wednesday if you have time on your calendar for you and those who may want to attend the meeting. If Wednesday will not work for you, we can setup some time on Friday the 12<sup>th</sup>. The following are the main areas of concern:

- (1) The workplan does not include "equitable" urban sustainability, as was included throughout the PWS. Neither does the workplan include the following (from PWS page 3 for example, and elsewhere):
  - Optimizing work plans given constrained resources, a changing climate and social factors
  - Exploring the potential equity and socioeconomic impacts of investment choices including recent trends to make equity central to sustainability efforts.
  - Analyzing how communities engage and interact with new uses of data and technology, including exploring relevant ethical issues around the use of data
  - Ensuring transparency and public participation in use of data that supports public works decision making
- (2) Also, the planning committee should include experts in the humanities, social sciences and public policy, and stakeholders who make use of research related to equity and sustainable resources, as was listed in PWS on the top of Page 3. The workshop participants should have the same expertise as the planning committee (see top of Page 4 in the PWS).
- (3) Finally, the workplan should include consideration of how to incorporate preferences and behavior of local inhabitants to advance community goals, as part of equitable investment prioritization.

If you can get back to me and let me know the email addresses of those who should attend for NAS, I will include them in the invite. Thanks.

William M Yates  
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Cincinnati Acquisition Division (CAD)  
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